

DT14 Rec'd PCT/PTO 23 NOV 2004 T

# PATENT APPLICATION

10/507316

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## SECOND INFORMATION DISCLOSURE STATEMENT

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the enclosed Form PTO-1449. Copies of the listed foreign documents and non-patent publications are also enclosed

The concise explanation of relevance for the non-English document is found in the specification where cited and in an attached abstract.

The Examiner's attention is also directed to the following U.S. Application:

APPLICATION NO.

10/886,570

FILING DATE

July 9, 2004

GROUP ART UNIT

1774

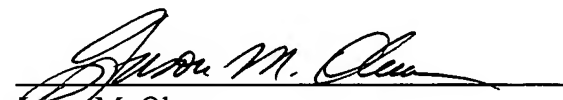
Since this application is stored in the U.S. Patent and Trademark Office's IFW system, a copy thereof is not enclosed due to a sua sponte waiver of 37 C.F.R. § 1.98(a)(2)(iii).

CONCLUSION

It is respectfully requested that the above information be considered by the Examiner and that a copy of the enclosed Form PTO-1449 be initialled and returned indicating that such information has been considered.

Applicants' undersigned attorney may be reached in our New York office by telephone at (212) 218-2100. All correspondence should be directed to our address given below.

Respectfully submitted,

  
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Attorney for Applicants  
Registration No. 48,512

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NY MAIN 465090v1

FORM PTO 1449 (modified)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)		ATTY DOCKET NO. <b>03500.017248</b>		APPLICATION NO. <b>10/507,316</b>	
APPLICANT <b>Akira Tsuboyama et al.</b>		FILING DATE <b>May 2, 2003</b>		GROUP <b>N.Y.A.</b>	

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	2003/0224208 A1	12/04/03	Kamatani et al.	428	690	04/07/03	
	2003/0235712 A1	12/25/03	Takiguchi et al.	428	690	06/17/02	
	2004/0013905 A1	01/22/04	Tsuboyama et al.	428	690	03/28/03	

FOREIGN PATENT DOCUMENTS							
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT		
10-308277	11/17/98	Japan			Abstract		

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)	
	C. H. Chen et al., "Recent Developments in Molecular Organic Electroluminescent Materials", <i>Macromol. Symp.</i> 125, 1997, pgs. 1-48.
	Y. Ma et al., "High Luminescence Gold(I) and Copper(I) Complexes with a Triplet Excited State for Use in Light-Emitting Diodes", <i>Advanced Materials</i> , Vol. 11, No. 10, 1999, pgs. 852-857.
	Delphine Felder et al., "Highly Luminescent Cu(I)-Phenanthroline Complexes in Rigid Matrix and Temperature Dependence of the Photophysical Properties", <i>J. Am. Chem. Soc.</i> , 2001, 123, pgs. 6291-6299.
	Rosemary A. Rader et al., "Photostudies of [Cu(bpy)(PPh <sub>3</sub> ) <sub>2</sub> ] <sup>+</sup> , [Cu(phen)(PPh <sub>3</sub> ) <sub>2</sub> ] <sup>+</sup> , and [Cu(dmp)(PPh <sub>3</sub> ) <sub>2</sub> ] <sup>+</sup> in Solution and in Rigid, Low-Temperature Glasses. Simultaneous Multiple Emissions from Intraligand and Charge-Transfer States", <i>J. Am. Chem. Soc.</i> , 1981, 103, pgs. 5906-5912.
	Mark T. Miller et al., "Effects of Sterics and Electronic Delocalization on the Photophysical, Structural, and Electrochemical Properties of 2,9-Disubstituted 1,10-Phenanthroline Copper(I) Complexes", <i>Inorg. Chem.</i> , 1999, 38, pgs. 3414-3422.

EXAMINER	DATE CONSIDERED
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)	
	Toshiyuki Shono et al., "Syntheses of Copper (I) Triphenylphosphine Complexes", <i>Chemistry Letters</i> , 1972, pgs. 163-164.
	Whei-Lu Kwik et al., "Ternary Complexes of Copper (I) with 2,9-Dimethyl-1,10-phenanthroline and Some Oxygen-donor Ligands", <i>J.C.S. Dalton</i> , 1981, pgs. 452-455.
	Mark T. Miller et al., "A Highly Emissive Heteroleptic Copper (I) Bis(phenanthroline) Complex: [Cu(dbp)(dmp)] <sup>+</sup> (dbp = 2,9-Di- <i>tert</i> -butyl-1,10-phenanthroline; dmp = 2,9-Dimethyl-1,10-phenanthroline), <i>J. Am. Chem. Soc.</i> , 1999, 121, pgs. 4292-4293.
	Michèle K. Eggleston et al., "Steric Effects in the Ground and Excited States of Cu(NN) <sub>2</sub> <sup>+</sup> Systems", <i>Inorg. Chem.</i> , 1997, 36, pgs. 172-176.
	R. Michael Everly et al., "Reinvestigation of the Absorbing and Emitting Charge-Transfer Excited States of [Cu(NN) <sub>2</sub> ] <sup>+</sup> Systems", <i>J. Phys. Chem.</i> , 1991, 95, pgs. 9071-9075.

EXAMINER	DATE CONSIDERED
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